

check valve 5, an abutment assembly 6, a push member 7, and a lid 8. Each component will be described in detail below.

The body 1 comprises a top opening 11 and a plurality of risers 12 equally spaced apart along a top periphery. The handle assembly 2 comprises a ring  
5 seat 21 conformed to the opening 11, a spout 22 extended outward from a periphery of the ring seat 21, a handle member 23, an ergonomic member 24 fitted onto the handle member 23, and a plurality of interior slits 25 equally spaced apart along an inner surface of the ring seat 21. The lid connecting  
10 assembly 3 is shaped to snugly fit in the ring seat 21. The lid connecting assembly 3 comprises a passageway 31 open to a periphery, a funnel-shaped channel 32, a recess 33 at the periphery, an upper threaded section 34, a plurality of projections 35 equally spaced apart along a lower periphery, and a central hole 36.

The discharge control assembly 4 comprises a disc-shaped base 42, a post  
15 41 extended upward from the base 42, an annular flange 43 on an outer surface of the post 41, a spring (e.g., torsion spring) 44 put on the post 41 and supported by the flange 43, and a C-shaped member 45 pressed on the spring 44. The upper part of the discharge control assembly 4 is fitted in the central hole 36 and is slidable therealong. The check valve 5 is conformed to and is  
20 mounted in the funnel-shaped channel 32. The check valve 5 comprises a seat 51, a plurality of openings <sup>52</sup>51 on the seat 51, a steel ball 53 on a center of the seat 51, and a cap 54 pressed on the steel ball 53 so as to be in contact with the seat 51 (see circle I in FIG. 3).

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The disc-shaped abutment assembly 6 comprises a central hole 61 put on  
25 the post 31 and a plurality of (three) lugs 62 equally spaced apart along a periphery, each lug 62 having a hole 63 therethrough. The push member 7 has a part conformed to and put on the annular flange on the central hole 61, and

hole, and another part conformed to and seated on the recess; and

a disc-shaped lid comprising an inner threaded section secured to the upper threaded section, and a recessed portion with the push member passed therethrough,

5 wherein in a closed state of the check valve, <sup>by pressing</sup> ~~press~~ the push member to lower the discharge control assembly a distance with the resilient means being compressed, a gap is formed between the base and the lid connecting assembly, a coffee discharge passageway is formed from the gap to the spout through the passageway, and <sup>tilting</sup> ~~tilt~~ the body will pour coffee out of the spout via

10 the coffee discharge passageway; and in an open state of the check valve, <sup>by releasing</sup> ~~release~~ the push member causes the resilient means to return to its normal state by expansion with the post being lifted and the base being moved upward to urge against the lid connecting assembly for closing the coffee discharge passageway.

15 2. The coffeepot of claim 1, wherein the resilient means is a torsion spring.

3. The coffeepot of claim 1, further comprising an ergonomic member fitted onto the handle member by snapping.